

MD iMAP Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Terra Room (Baltimore, MD)

Date: 01/05/2016

Time: 1:00PM - 3:00PM

Attendees: Michael Blahut (SHA), Jessie Cahoon (DoIT/MES), Kevin Coyne (DNR), Julia Fischer (DoIT), Jeyan Jebaraj (DoIT), Barney Krucoff (DoIT), Kate Majchrzak (MDE), Stephanie Martins (MDP), Pat McLoughlin (Spatial Systems), Melissa Oguamanam (MDP), Frank Siano (MDE), Matt Sokol (DoIT), Marshall Stevenson (SHA/WBCM) and Mussie Tewolde (DJS)

Phone Mara Kaminowitz (BMC), Gary Maragos (MDP), John Privot (Wallace Montgomery),

Attendees: Anthony Puzzo (Esri), Marc Weinshenker (City of Rockville) and Brad Wolters (DHCD)

AGENDA:

- Introductions 1:00 - 1:10
- Maryland Enterprise Software Update – *Barney Krucoff* 1:10 - 1:25
- MD iMAP 2.0 Update – *Matt Sokol* 1:25 – 1:45
- Data & Resources Subcommittee Updates 1:45 – 2:10
 - GIS Training Contract – *Lisa Lowe & Marshall Stevenson*
 - Centerlines Update – *Marshall Stevenson*
 - Composite Locator Update – *Jeyan Jebaraj*
- Application Subcommittee Updates 2:10 – 2:30
 - Template Update – *Jessie Cahoon*
 - Web App Builder Update – *Jessie Cahoon*
- Outreach Subcommittee Updates 2:30 – 2:40
 - MD iMAP Portal Update – *Julia Fischer*
- Additional Business 2:40 – 3:00

Introductions

Round-the-room

Maryland Enterprise Software Update – Barney Krucoff

- Conclusions from RFI have been documented, turned in to DoIT Management; Well received
- Plan to publish the submitted conclusion document, but had to remove quoted material because of confidentiality clauses, from companies, before distributing
- Overall Conclusion: There is competition out there
 - Direct Esri Competition includes: Hexagon, Boundless, Pitney Bowes
 - There are a number of companies that fall under an “Integrators” category
 - Companies that provide Esri Add-Ons: Latitude Geographics, etc.
- Appendices created for the document include:
 - Response to survey of customizations, this is a long list
 - List of existing contracts that depend on Esri software
 - The State’s investment is clear evident
 - Contracted specifically to firms with GIS expertise for deliverables and dependencies
- DoIT says it makes no sense to do a holistic swap of software
- Recommendation is to use COTS contract
 - Go beyond to open access to other software packages and solutions, beyond Esri
- Not preparing RFP competition, hard to make case of true competition
- No crisis expected, the current ELA is in place until 3/31/16, with 3 month extension, which is expected to be exercised
- Barney will report monthly, to this group, with updates
- Esri UC complimentary passes are now available
- Want to distribute before the 03/31/16 end of contract
 - Ask that confirmation be provided that travel costs will be covered, before approving comp pass
 - Contact Julia Fischer (julia.fischer@maryland.gov) with your request

Question: With the move to multiple solutions, is DoIT GIO Office prepared to offer support?

- These will be designed as primary agreements, similar to the Esri ELA, will not lose efficiency
- GIO Team would not have as much understanding to support other software packages
- Expect market share to change slowly
- Group purchase option and benefits are maintained

Question: SHA is going through a machine upgrade to 64 bit and to Version 10.3 of ArcMap

- SHA hardware infrastructure change, internal change only
- Offer older version, if older applications and functionality are dependent on older software version
- If ELA ended, those with single use licenses would want to upgrade before ELA went away

MD iMAP 2.0 Update – Matt Sokol

Feature Services

- Add vector layers as feature services, with dynamic symbology, queryable
- 65,000 feature call has been tested as the maximum for feature services
- This means that about 20 layers will not be made into feature services because they are above the threshold
- Will find alternate solutions for these 20 layers and report to the group
- Test URLs will be available next week
- Plan to roll out new feature services to production over MLK weekend
- Performance is good, not as fast as services served out of file geodatabases, but still very good

Question: Are data owners aware of limitations?

- Will provide a list of layers to be excluded, to the group, as well as to the data owners
- Could change how data, within the layer, is structured to bring feature count below 65,000 threshold
- All layers to be registered in GIS Data Catalog
- Upgrading SOE to work with feature services out of SDE, rather than just map services out of file geodatabases
- This solution removes the need to store anyone else's data on SDE, because the data can be queried, legends can be created, etc. and have most recent data available and readily accessible in raw form

Question: What about duplicating datasets broken out by county, rather than just single statewide layers?

- Talked about this, but would not solve threshold issue
- Will talk to data owners before making this changes
- Layers within a service versus separate services is another consideration
- Received business data and now determining the best way to structure the services versus the layers
- Could break out data by county, municipality and "grid", identifiable road intersections, etc.
- Will always have both feature services and map services
- Plan to document the pros and cons of feature services versus map services and provide to end users
- There is a known issue with polygons that contain a significant amount of vertices, performance is poor within feature services
 - Have discovered an alternative way to load data into SDE to help minimize the performance hit
 - Applying this alternative data loading option now
- Will add more projections for use along with the WMS format for each service
 - These include: State Plane Meters, State Plane Feet, WGS1984 and Web Mercator)

Single Sign On

- State of Maryland employees will access AGOL from the Connect Maryland Portal using Google log-in

- Working through the process with the Connect Maryland Portal contractor
- Successful integration to date, still testing workflows
- New user account name will be created, so data migration will be necessary
 - End user will not be aware of new user account name, will use Google username only
- This integration within the Connect Maryland Portal will allow us to reach out to a new group of users and expand marketing potential

BING Key

- The temporary BING key has been removed, disabling access to BING basemaps
- Alternative basemaps have been messaged out to end users for inclusion locally
- Alternative basemaps have been made available through the AGOL Maryland Organization

NAIP Imagery

- Drive arrived from USDA, but only had European plugs in it, so was unable to transfer data to server
- Awaiting shipment of non-European plugs
- Expect to have the NAIP 2015 imagery up by the end of January
- NAIP 2011 imagery to go up on Dropbox soon for download

Question: What is the resolution of the newest imagery?

- NAIP imagery is still 1 meter resolution

LiDAR

- Work is in progress to migrate LiDAR data and services from ESRGC to DoIT
 - This progress is currently on hold, because DoIT does not have the server capacity
- DEMs are now available on Dropbox
 - LiDAR pages to be added to the Portal by the end of January with access to download links
- LAS files to be added to Dropbox in the near future
- Next steps are to consolidate the existing LiDAR services, which will be finalized soon

FTP

- Contractor hosted FTP is being discontinued, as of 01/31/16
- Moving forward the DoIT FTP solution, MOVEit, will be used
- An individual log-in is necessary
- Contact Matt Sokol, Julia Fischer or Jeyan Jebaraj to get a log-in for this system
- Next address point and centerline submission to be made to MOVEit and not existing system

Batch Geocoder

- DoIT is in the final stages of providing a web-based batch geocoder solution
- Tool will allow for .csv and .xls, .xlsx uploads
- Download formats will include: shapefiles, as well as .csv, etc.
- To be embedded into the MD iMAP Portal similar to the single address look-up

10.4 Pre-Release

- Now available
- Plan to explore migration options in the near future

Other Items

- Updated floodplain service, Q3 layer is gone, no longer necessary for Maryland
- American Community Survey (ACS) data is actively being updated
- U.S. National Grid service being published
- In the process of caching SHA new color basemap
- “Phase 1” state facilities list to be published soon
 - Two versions will be available, one with join table and the other with stacked points
 - This makes the information available to be used in multiple end points, such as AGOL
 - Will distribute for review and request ownership/occupant information
 - There are about 1,800 features in the layer, with on-going editing

Question: Are there geographic attributes, such as address?

- Yes, the attributes include address, street when building number is not available and latitude and longitude for some of the features

Question: The facilities that are included, are they occupied facilities only?

- Have all facilities including ranger offices, salt structures, etc.
- Might not include features such as park and rides, which do not have physical structures
- There are no polygons available, only point features

Data & Resources Subcommittee Updates

GIS Training Contract – *Marshall Stevenson*

Centerlines Update – *Marshall Stevenson*

Composite Locator Update – *Jeyan Jebaraj*

Application Subcommittee Updates

Template Update – *Jessie Cahoon*

Web App Builder Update – *Jessie Cahoon*

Outreach Subcommittee Updates

MD iMAP Portal Update – *Julia Fischer*

Additional Business